

What is claimed is:

1. A wireless LAN system comprising a plurality of hosts each having a wireless LAN device and capable of wireless communicating with an access point, wherein:

even when a power supply of a host is "off", the associated wireless LAN device intermittently turns on its power supply in synchronism to a beacon signal from the access point to check the presence of any received arrival addressed to itself.

2. The wireless LAN system according to claim 1, wherein the beacon signal is sent out in a predetermined constant cycle of about 100 msec.

3. The wireless LAN system according to one of claims 1 and 2 wherein upon detection of an arrival packet addressed to itself the wireless LAN device starts the associated host to start an arrival reception application.

4. The wireless LAN system according to one of claims 1 to 3, wherein the wireless LAN device is a LAN component including a PHS or like wireless communication means.

5. The wireless LAN system according to claim 4, wherein the power supply of the PHS or like wireless communication means is held "on" at all times.

6. The wireless LAN system according to one of claims 1 to 5, wherein the host is constituted by a PC (personal computer) or a PDA (personal digital assistant).

7. A wireless LAN system wherein a plurality of hosts are interconnected with an access point via a wireless LAN and each of hosts includes a wireless LAN device, power supply of the wireless LAN device is turned on and off in synchronism to a beacon signal sent out in a predetermined constant cycle from the access point for checking whether any arrival of data addressed to the own host is present, and when any arrival of data is present the host starts an application for reception of the arrived data.